

Thursday, April 1, 1999

**Final Landsat satellite  
launching April 15 from  
Vandenberg AFB**



**TERRIERS satellite  
to study ionosphere**

▲ **Landsat 7** will be launched April 15 from Vandenberg Air Force Base, Calif. This is the last in a series that began with the Landsat 1 in 1972. Landsat 7 will gather data from Earth's land surface and surrounding coastal regions. Analysis of the data will provide scientists with new information on deforestation, receding glaciers and crop monitoring. The data also will be available commercially for land-use planning and urban development issues.

▲ **Another NASA launch** from Vandenberg AFB is the **TERRIERS** satellite, part of NASA's Student Explorer Demonstration Initiative. TERRIERS stands for Tomographic Experiment using Radiative Recombinative Ionospheric EUV and Radio Sources. It has been developed by Boston University with a funding grant from NASA to study the ionosphere, one of the least understood parts of Earth's atmosphere. The ionosphere is home to many scientific spacecraft and commercial communications satellites, and reflects AF, FM and short wave radio signals. It is also the area in which the Space Shuttle and International Space Station orbit. The satellite is scheduled to be launched April 19 aboard an Orbital Sciences Pegasus XL rocket. The Pegasus will be deployed from a Lockheed L1011 over the Pacific Ocean off the California coast.

◆ **Presenting Healthy Habits for a Lifetime:** Beginning Tuesday, April 6, the KSC Fitness Centers are offering an 8-week Weight Management Program that includes classes on exercise, nutrition and behavior modification. Please call 867-7829 for more information and to sign up. Reservations are necessary.

◆ **O&C Fitness Center Closing for Move:** The O&C Fitness Center will be temporarily closed until further notice while it moves from the temporary facility to the new, expanded facility. However, the shower trailers at the O&C will remain open and are available for use. The aerobics classes are also postponed until further notice. The OSB Fitness Center will remain open from 5:30 a.m. until 7 p.m. For more information, please contact Amy Douglass via her e-mail address: Amy.Douglass-1@ksc.nasa.gov.

◆ **Did You Know?** One of NASA's technology spinoffs involves solar energy. A NASA-pioneered photovoltaic power system for spacecraft applications is used to provide an alternative energy source in remote areas. It is used to supply power for isolated villages, medical clinics, communications systems, water pumping systems, environmental monitoring, railroad signals, air/sea navigational aids, and a variety of military systems in areas where no conventional power sources exist.

**Comments or Questions? [mailto: Anita.Barrett-1@ksc.nasa.gov](mailto:Anita.Barrett-1@ksc.nasa.gov)**

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